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| | | | Application Number | 10/506,348 | |
| | INCORMATION | ICCI OCUDE | Filing Date | May 11, 2005 | |
| INFORMATION DISCLOSURE | | | First Named Inventor | Stephen Walter Marlowe | |
| | STATEMENT BY | APPLICANT | Art Unit | 1774 | |
| | (Use as many sheets i | e necessary) | Examiner Name | Unknown | |
| S | heet 1 of | T 3 | Attorney Docket Number | RD8145USPCT | |

| Examiner | Cite | Document Number | Publication Date | DOCUMENTS Name of Patentee or | Pages, Columns, Lines, Where |
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| Initials* | No. | Number-Kind Code ^{2 (Finance)} | MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear |
| LBT | | ^{US-} 3,682,866 | 08-08-1972 | John David Garforth | |
| LBT | | US- 3,707,344 | 12-26-1972 | Guenter Becht, et al. | |
| LBT | | US- 4,075,378 | 02-21-1978 | Anthony Anton, et al. | |
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|--------------------|-------------|--|---------------------|--|---|---|
| Examiner Initials* | Cite No. | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages | |
| | | Country Code ³ Number ⁴ Kind Code ⁸ (# known) | MM-DD-YYYY | | Or Relevant Figures Appear | ۲ |
| LBT | | EP 0 601 372 A1 | 06.15.94 | Gerry A. Hagen, et al. | | |
| LBT | | EP 81302553.3 -P# 0041865 | 12.16.81 | William T. Windley | | |
| LBT | | JAP Abstract J03180529 | 08.06.91 | Toray | | |
| LBT | | JAP Abstract J53058024 | 05.25.78 | Toray | | |
| LBT | - | JAP Abstract J04024240 | 01.28.92 | Toyobo KK | | |
| LBT | | JAP Abstract J51143726 | 12.09.76 | Toray | | Г |

| Examiner | | Date | |
|-----------|------------------|------------|------------|
| Signature | /Leo B. Tentoni/ | Considered | 06/19/2006 |

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| | Application Number | 10/506,348 |
| INFORMATION DISCLOSURE | Filing Date | May 11, 2005 |
| | First Named Inventor | Stephen Walter Marlowe |
| STATEMENT BY APPLICANT | Art Unit | 1774 |
| (Use as many sheets as necessary) | Examiner Name | Unknown |
| Sheet 2 of 3 | Attorney Docket Number | RD8145USPCT |

| Examiner | Cite | Document Number | U. S. PATENT D Publication Date | Name of Patentee or | Pages, Columns, Lines, Where |
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| Initials* | No.1 | Number-Kind Code ^{2 (F known)} | MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevan Figures Appear |
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| Examiner Initials* | Cite No.1 | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, | |
| | | Country Code ³ Number ⁴ 'Nad Code ⁵ (if known) | MM-DD-YYYY | Applicant of Cited Document | Where Relevant Passages Or Relevant Figures Appear | τ° |
| LBT | | JAP Abstract J07155782 | 07.01.97 | Unitika Ltd. | | |
| LBT | | JAP Abstract J07189058 | 07.25.95 | Kanebo Ltd. | | |
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| Examiner | | | |
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| Signature | /Leo B. Tentoni/ | Date | 06/19/2006 |
| | /Heo B. Tenconi/ | Considered | 00/13/2000 |

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| Subsulu | ie tu tuii 1407 10 | | | Application Number | 10/506,348 | |
| INF | ORMATION | I DIS | CLOSURE | Filing Date | May 11, 2005 | |
| STA | TEMENT I | BY A | PPLICANT | First Named Inventor | Stephen Walter Marlowe | |
| | # 100 00 100 ob | | | Art Unit | 1774 | |
| ı | (Use as many sh | eers as r | ecessary) | Examiner Name | Unknown | |
| Sheet | 3 | of | 3 | Attorney Docket Number | RD8145USPCT | |

| | | NON PATENT LITERATURE DOCUMENTS | | | |
|-----------------------|--------------|---|----------------|--|--|
| Examiner Initials* | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | | |
| LBT | | ASTM D789 - 94 Standard Test Methods for Determination of Relative Viscosity, Melting Point, and Moisture Content of Polyamide (PA) | | | |
| LBT | | ASTM D4724-87 (Reapproved 1992) - Standard Test Methods for Degree of Filament Yarn Entanglement by Needle Insertion Methods | | | |
| | | | | | |
| LBT | | International Search Report PCT/US02/07864 (RD8145WO) (including cited refs.) | | | |
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| Examiner | /Leo B. Tentoni/ | Date | 06/10/2006 |
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| | | First Named inventor | Stephen Walter Marlowe | _ | | |
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| neet 1 | of 2 | Attorney Docket Number | RD8145USPCT | 7 | | |

| Examiner | Cite | Document Number | U. S. PATENT D | Name of Patentee or | Pages, Columns, Lines, Where |
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| initials* | Cite No.1 | Number-Kind Code ² (# known) | MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ | |
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| Examiner Signature | /Leo B. Tentoni/ | Date Considered | 06/19/2006 | |
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| INF | ORMATION | N DIS | CLOSURE | Filing Date | May 11, 2005 | |
| STATEMENT BY APPLICANT | | | PPLICANT | First Named Inventor | Stephen Walter Marlowe | |
| (Use as many sheets as necessary) | | | | Art Unit | 1774 | |
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| | | NON PATENT LITERATURE DOCUMENTS | |
|-----------------------|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| LBT | | BISFA, The International Bureau for the Standardisation of Man-Made Fibers, "Testing Methods for Polyamide Filament Yarns." 2004 Edition | |
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| Signature | /Leo B. Tentoni/ | Considered | 00, 25, 2000 |
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